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SOV/10-59-4-23/29

AUTHOR: Vel'mina, N.A.

TITLE: Second Coordinating Inter-Departmental Conference
on Permafrost

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 4, pp 148-149 (USSR)

ABSTRACT: The article covers the Second Coordinating Inter-Departmental Conference on Permafrost of members of the Inter-Departmental Coordinating Committee on Permafrost attached to the Institut merzlotovedeniya im. V.A. Obrucheva (Institute of Permafrost imeni V.A. Obruchev) which took place on 24 and 25 November, 1958. The conference was attended by the representatives of the following institutes and organizations: the Transportnoenergeticheskiy institut Zapadnosibirskogo filiala AN SSSR (Institute of Transportation and Power of the West Siberian Branch AS USSR), the Institut geologii Vostochnosibirskogo filiala

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AN SSSR (Institute of Geology of the East Siberian Branch AS USSR), the Magadanskiy nauchno-issledovatel'skiy institut (VNII-I) (Magadan Scientific-Research Institute /VNNI-I), the Merzlotnaya laboratoriya i proyektnaya kontora Noril'skogo gorno-metallurgicheskogo kombinata (Permafrost Laboratory and Planning Office of the Noril'sk Mining and Metallurgical Combine), the Kafedra merzlotovedeniya Moskovskogo gosudarstvennogo universiteta (Permafrost Chair of the Moscow State University), the Institut Lengiproarktiki Upravleniya morskogo flota (Lengiproarktika Institute of the Merchant Marine Administration), the Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii (VSEGINGEO) Ministerstva geologii i okhrany nedr (All-Union Scientific Research Institute of Hydraulic and Civil Engineering Geology /VSEGINGEO/ of the Ministry of Geology and Conservation of Mineral Resources), the Dal'nevostochn-

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nyy institut po stroitel'stvu Akademii stroitel'stva i arkhitektury (Far East Institute of Construction of the Academy of Construction and Architecture), the Institut merzlotovedeniya AN SSSR (Institute of Permafrost Study AS USSR), the Tsentral'nyy nauchno-issledovatel'skiy institut transportnogo stroitel'stva Ministerstva transportnogo stroitel'stva (Central Scientific Research Institute of Transportation Construction of the Ministry of Transportation Construction), and the Vsesoyuznyy nauchno-issledovatel'skiy institut aerodromnogo stroitel'stva (All-Union Scientific Research Institute of Airport Construction). The conference heard several reports on the above committee's research work during the period from March, 1957, to November, 1958, as well as on future developments. The article makes no reference to the subjects of the reports. Apart from several criticisms on the committee's inertia,

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the conferees admitted that the biggest share in the permafrost research is contributed by the Institute of Permafrost imeni V.A. Obruchev. The conference reelected its board consisting of the following eight personalities: P.A. Shumskiy, P.F. Shvetsov, and N.A. Vel'mina of the Institute of Permafrost AS USSR, I.F. Nasedkin of the Central Scientific Research Institute of Transportation Construction of the Ministry of Transportation Construction, A.I. Kalabin of the VNII-I of the Magadan Sovnarkhoz, M.I. Ivanov of the All-Union Scientific Research Institute of Airport Construction, V.A. Kudryavtsev of the Permafrost Department of the Moscow State University, and M.V. Kim of the Planning Office of the Noril'sk Mining and Metallurgical Combine of the Krasnoyarsk Sovnarkhoz. The article also mentions the following organizations: Vostochnosibirskiy filial AN SSSR (East Siberian Branch AS USSR), Institut geografii AN SSSR

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Second Coordinating Inter-Departmental Conference on Permafrost

(Institute of Geography AS USSR), and Zapadnosibirskiy
filial AN SSSR (West Siberian Branch AS USSR). There
is 1 Soviet reference.

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VEL'MINA, N.A.

PHASE I BOOK EXPLOITATION

BOV/5885

Akademiya nauk SSSR. Institut merzlotovedeniya

Polavyye geokriologicheskiye (merslotnyye) issledovaniya; metodicheskoye rukovodstvo (Geocryological [Permafrost] Field Studies; Methodological Handbook) Moscow, Izd-vo AN SSSR, 1961. 422 p. Errata slip inserted. 1500 copies printed.

Editorial Board: Chairman, I.Ya. Baranov, Doctor of Geographical Sciences, Professor, S.P. Kachurin, Doctor of Geographical Sciences, A.I. Yefimov, Candidate of Geographical and Mineralogical Sciences, and N.A. Vel'mina, Candidate of Technical Sciences; Eds. of Publishing House: A.A. Priklonskiy and I.N. Nikolayeva; Tech. Ed.: V.G. Laut.

PURPOSE: This book is intended for the growing number of specialists in various branches of the national economy who are concerned with engineering problems in permafrost soils.

COVERAGE: Three types of geocryological field investigations are discussed: 1) geocryological surveying, for detecting regularities in cryogenic processes, compiling geocryological maps illustrating the distribution of

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Geocryological [Permafrost] Field (Cont.)

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permafrost areas, and for indicating the boundaries of sections with various degrees of suitability for construction; 2) subject studies of cryogenic formations (ice bodies, heaving mounds, polygonal-veined ice, etc.) and postglacial formations (thermokarst, solifluctional, etc.), which are of great importance for practical engineering; and 3) long-range stationary and semistationary observations during geocryological and engineering-geocryological surveying, for studying the dynamics of the temperature field in the zones of seasonal temperature fluctuations, regimen of the layers of seasonal freezing and thawing, heaving phenomena, fissure formation, subsidence, ground creeping, mechanical and thermal interaction between the structures and enclosing rocks or foundation grounds, etc. The handbook was compiled by a group of staff members of the Institute of Permafrost Study imeni V.A. Obruchev, AS USSR. No personalities are mentioned. References follow individual chapters.

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Ch. II. Nature of Studies in the Geocryological Survey

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The distribution of permafrost rocks, the layer of seasonal freezing and thawing, and the temperature field of rocks are discussed.

Ch. III. Some Field Laboratory Studies

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The analysis of physical properties of frozen rocks, the application of the crystallooptic method, and the preservation of samples in the frozen state are discussed.

Ch. IV. Methods of Field Studies in Geocryological Surveying

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Geophysical investigations, the application of aerial methods, the geobotanical method, and the investigation of underground waters and surface waters are discussed.

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Appendix II. Questionnaire Form for Field Records of Permafrost
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AVAILABLE: Library of Congress

SUBJECT : Geology and Geography

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MM/wrc/bc
2-8-62

3(4)

PHASE I BOOK EXPLOITATION

SOV/2963

Vel'mina, Nina Aleksandrovna, and Vladimir Valer'yanovich Uzemblo

Gidrogeologiya tsentral'noy chasti Yuzhnoy Yakutii (Hydrogeology of the Central Part of Southern Yakutiya) Moscow, AN SSSR, 1959. 177 p. 1,500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh sil. Institut merzlotovedeniya imeni V. A. Obrucheva.

Resp. Ed.: N. I. Tolstikhin, Doctor of Geological and Mineralogical Sciences; Ed. of Publishing House: Ye. A. Semenova; Tech. Eds.: K. S. Tveritinova, and M. Ye. Zendel'.

PURPOSE: This book is intended for geologists, hydrologists, and hydraulic engineers.

COVERAGE: This book treats the physicogeographic conditions and hydrologic features of the Aldan crystalline massif. Chief

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Hydrogeology of the Central Part (Cont.)

SOV/2963

attention is given to ground waters in the area, the delimitation of hydrogeological regions, and the interaction of ground waters and permanently frozen rocks. The work represents the generalized results of field and laboratory studies carried out from 1951 to 1955 by the Aldan Glacio-hydrogeological Detachment of the Yakutsk Combined Expedition. Materials of L. A. Dobrovolskiy, V. Ya. Dorokhov, P. P. Dudorov, I. P. Kartashev, I. Z. Konovalov, S. P. Konoplev, A. I. Kuks, M. M. Odintsova, D. F. Piskunov, D. P. Serdyuchenko, and S. Ye. Sukhodol'skiy were used in this work. There are 44 Soviet references.

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AVAILABLE: Library of Congress (GB1156.Y3V4)

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1-28-60

VEL'MINA, Nina Aleksandrovna; UZEMBLO, Vladimir Valer'yanovich;
TOLSTIKHIN, N.I., doktor geologo-mineral.nauk, otv.red.;
SEMENOVA, Ye.A., red.isd-va; TVERITINOVA, K.S., tekhn.red.;
ZENDEL', M.Ye., tekhn.red.

[Hydrogeology of the central part of southern Yakutia] Gidro-
geologiya tsentral'noi chasti IUzhnoi IAKutii. Moskva, Izd-vo
Akad.nauk SSSR, 1959. 177 p. (MIRA 12:4)
(Yakutia--Water, Underground)

VEL'MINA, V.V.

SPIRIDONOV, A.S.; VEL'MINA, V.V.

Using sodium fluosilicate to speed up the melting of the glass
batch. Stek. i ker. 14 no.9:4-5 S '57. (MIRA 10:10)

1. Stekol'nyy zavod "Velikiy Oktyabr'".
(Sodium fluosilicate) (Glass manufacture)

AVDIYEVICH, N.M.; BORZAKOVA, A.A.; VEL'MINA, Ye.S.

The Klyaz'ma Reservoir as a source of the water supply. Cor.
khoz.Mosk. 36 no.8:25-26 Ag '62. (MIRA 16:1)

1. Severnaya vodoprovodnaya stantsiya.
(Klyaz'ma Reservoir)

VEL'MINA, Ye.S., gidrobiolog

Water purification during the time of waterbloom in reservoirs.

Gor.khoz.Mosk. 33 no.4:25-26 Ap '59. (MIRA 12:6)

(Water--Purification) (Algae)

VEL'MINSKIY, A.

Mechanizing receiving and disbursement operations. Den. i kred.
19 no.11:73-74 N 61. (MIRA 14:12)

1. Starshiy inspektor otdela kassovykh operatsiy Moskovskoy
gorodakoy kontory Gosbanka.
(Moscow—Banks and banking—Equipment and supplies)

VEL'NITSKIY, V.

Transportation resources serving the seven-year plan. Izv.
AN Latv. SSR no.10:129-137 '63. (MIRA 17:1)

ALEKSEYEV, A.; RESHETNYAK, I.; SHPAGIN, V.; SUROVETSKIY, Yo.; DAVIDOV, I.,
(Baku); KRASNOV, A. (Al'met'yevsk); SAVEL'YEV, G.;
RAZVOROTHEV, A.; KOZLOV, A., inzh.; TURUTIN, I.; VALIOTTI, B.
(Arkhangel'sk); VIL'MITSKIY, V.

Letters to the editor. Sov.profsoiuzy 16 no.6:47-52
Mr '60. (MIRA 13:3)

1. Starshiy instruktor Chuvashskogo oblsovprofa (for Alekseyev). 2. Chlen kraykoma profsoyusa rabotnikov avyazi, rabochikh avtomobil'nogo transporta i shosseynykh dorog, g.Maykop (for Reshetnyak). 3. Predsedatel' ob'yedinennogo postroykoma Bratskgesstroya (for Shpagin). 4. Starshiy instruktor Yakutskogo oblastnogo soveta profsoyuzov (for SurovetSKIY). 5. Predsedatel' komissii obshchestvennogo kontrolya za rabotoy torga, Arkhangel'sk (for Savel'yev). 6. Sekretar' partbyuro tresta "Ukhtastroy," g.Ukhta, Komi ASSR (for Razvorotnov). 7. Redaktor mnogotirazhnoy gasety "Zhilstroyevets" (for Turutin).
(Labor and laboring classes) (Trade unions)

ACC NR: AN7003830

SOURCE CODE: UR/9009/67/000/022/0002/0002

AUTHOR: Vel'mitskiy, V.

ORG: none

TITLE: Space encyclopedia

SOURCE: Leningradskaya pravda, no. 22, 26 Jan 67, p. 2, col. 6-7

TOPIC TAGS: publication, space research

ABSTRACT:

A new, one-volume, encyclopedia "Kosmonavtika" will be published. It will deal with such problems as how a spaceship is designed, how it is launched, how it is put into orbit, how a soft landing is achieved, and how space radio communication is conducted. The basic sections will be in astronomy, astrophysics, flight trajectory, spacecraft engines, space biology, and space medicine.

SUB CODE: 22/ SUBM DATE: none / ATD PRESS: 5113

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UDC: none

VEL'MITSKIY, V.

New encyclopedia published in the U.S.S.R. Izv. AN Latv. SSR
no.5:145-147 '62. (MIRA 16:7)
(Bibliography—Encyclopedias and dictionaries)

VEL' MOZHIN, A., inzh.

Using vibrators for speeding up the unloading of concrete.
Avt. transp. 40 no. 12:12-13 D '62. (MIRA 15:12)
(Vibrators)
(Concrete—Transportation)

VEL'MOZHIN, A., inzhener.

Truck bodies for hauling concrete and mortar. Avt.transp. 34 no.4:
12 Ap '56. (MLRA 9:8)
(Concrete--Transportation) (Motortrucks)

VEL'MOZHIN, A., inzhener.

Accounting for the transportation of building materials in bulr.
Avt. transp.32 no.10:16 0'54. (MLRA 7:12)
(Transportation, Automotive--Accounting)

VEL'MOZHIN, A.

Maintenance and permanent repair of motor vehicles in automotive transportation units of the Volgograd Hydroelectric Development.
Avt.transp. 41 no.11:19-21 N '63. (MIRA 16:12)

1. Nachal'nik avtomobil'nogo upravleniya Volgogradgidrostroya.

VEL'MOZHIN, A., inzhener.

Calculating the requirements for dump trucks during earthwork
operations on construction sites. Avt.transp. 33 no.11:10-11
N '55. (MLRA 9:3)

(Dump trucks) (Earthwork)

VEL'MOZHAYAYA, Yu.A.

Possibility of determining the salinity of sea water by the use of
the interferometer. Trudy MOI 22:26-32 Nr '60, (MIRA 14:3)
(Salinity) (Interferometry)

VEL' MOZHIN, A., inzh.

Loading operations should be the responsibility of automotive
transportation. Avt. transp. 39 no. 5:42 My '61. (MIRA 14:5)
(Transportation, Automotive—Freight)
(Loading and unloading) _

VEL'MOZHIN, A.V.

CHEBATKOV, M.G., inzh.; VEL'MOZHIN, A.V., inzh.

Pneumatic vibrators for dump trucks used in transporting
concrete. Mekh.stroi.14 no.11:31 N '57. (MIRA 10:12)
(Vibrators) (Dump trucks) (Concrete--Transportation)

VEL'MOZHIN, A.V., inzh.

One factor in lowering the cost of earthwork. Mekh. stroi. 20 no.64;
6-7 Je '63. (MIRA 16:5)

(Earthwork--Costs)

VEL'MOZHIN, Aleksandr Vasil'yevich; NOVIKOV, Aleksandr Nikolayevich;
FILIN, A.G., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Organization of transport operations in the construction of
hydroelectric power stations] Organizatsiia perevozok na
stroitel'stve GES. Moskva, Avtotransizdat, 1963. 54 p.
(MIRA 16:7)

(Hydroelectric power stations)
(Transportation, Automotive)

AUTHOR: Chebatkov, M.G. } Engineers. SOV/100-11-82
 Vel'mozhin, A.V. }

TITLE: Pneumatic Vibrators fixed to Lorries Carrying Concrete Mix. (Pnevmaticheskiye vibratory dlya betonovoznykh avtosamosvalov).

PERIODICAL: Mekhanizatsiya Stroitel'stva, 1957, Nr 11, P 31.
 (From "Proizvodstvennyy Byulleten' Stalingradgidrostroya" Nr 1, 1957, P 53).

ABSTRACT: During the construction of the Stalingrad hydro-electric power station 4,000,000m³ of concrete mix had to be transported. Lorries ZIS-585 and MAZ-585 were used for this purpose. The mix is deposited by means of a concrete suction installation, S-284, or by bucket K-3 or BO-3. During the construction of the Tsimlyansk Kuybyshev hydro-electric power station, electrical vibrators (I-7) were used to clean the lorries (ZIS-585 and MAZ 585) after discharge of the concrete mix. This was not very successful as the vibrator (I-7) had to be switched on and off. During the construction of the Stalingrad hydro-electric power station, pneumatic vibrators (type N-62) were tested. The chief characteristic of this vibrator is that it switches

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Pneumatic Vibrators fixed to Lorries Carrying Concrete Mix.

on and off when the tipper discharges. The lifting apparatus in this case is ZIS-120 and the lorry ZIS-585. The N-62 vibrator and its action is described in detail. It operates under pressure of 1.5-8 atm. and is mounted on the front part of the tipper, one on each side. The emptying of the lorry takes 20-30 seconds in summer and 40-50 seconds in winter at a temperature of -20°. Conclusion: the vibrator N-62 appears to be a very useful appliance for speeding up the process of emptying concrete from tipper and preventing pieces of concrete adhering to the sides of the lorries. The incorporation of this vibrator with lorry ZIS-585 proved very successful. There is one illustration and one table.

1. Cargo vehicles—Equipment 2. Vibrators—Performance
3. Vibrators—Equipment 4. Vibrators—Test results

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ZAKHAROVA, G.B.; MISHINA, D.B.; VEL'MOZHNYI, E.Ya.

Niobium and its alloys [from data in foreign journals]. TSvet.
met. 35 no.4:88-92 Ap '62. (MIRA 15:4)
(Niobium)

ACC NR: AP6023641

SOURCE CODE: UR/0149/66/000/002/0135/0141

AUTHOR: Gel'd, P. V.; Vel'mozhnyy, E. Ya.; Lyubimov, V. D.; Shveykin, G. P.

ORG: Chair of Physics, Ural Polytechnic Institute (Ural'skiy politekhnicheskiy institut Kafedra fiziki)

TITLE: Self diffusion of niobium in some of its alloys with molybdenum

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 2, 1966, 135-141

TOPIC TAGS: niobium containing alloy, molybdenum containing alloy, activation energy, radioisotope, x ray diffraction, temperature dependence

ABSTRACT: Self diffusion coefficients (D) were obtained for niobium alloyed with 5, 10, 20, 30 and 45% Mo. The values of D were determined from radioactive tracer measurements of Nb^{95} in the form of $Nb_2^{95}O_3$. Lattice parameters were determined by the powder method and both hardnesses and microhardnesses were obtained by standard methods. The self diffusion coefficient of Nb is given as a function of Mo content for temperatures ranging from 1600 to 2100°C while both the activation energy E and the diffusion parameter $\ln D_0$ are given as functions of Mo content. The relation between $\ln D_0$ and E is given by

$$\ln D_0 = -26.9 + 0.276E$$

UDC: 669.293

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where $D=D_0 \exp(-E/RT)$. A list of all the diffusion parameters, hardnesses, microhardnesses and lattice parameters is presented for various temperatures and Mo content. Comparisons of E and $\ln D_0$ are made for the Mo-Zr system which also had a linear dependence of $\ln D_0$ as a function of E . In previous studies, the relation $E=\alpha T_{m.p.}$ ($T_{m.p.}$ is the melting temperature) was used to correlate diffusion data. However, $E=\alpha T_{m.p.}$ could not be used for all the experimental data because the concentration dependence of D had a maximum at 8% Mo, whereas $T_{m.p.}$ diminished monotonically up to 25% Mo and rose above 25% Mo. For Mo contents close to 6.25 at % (about 6.5 wt %) every Nb atom finds itself near another Nb atom at a distance of one Mo atom. Above about 8% Mo cell distortion arises, complicating the diffusion process; further increases in concentration result in segregation of Mo atoms, changing the concentration dependence of self diffusion. Thus a semiempirical approach yielded $E=176-21.7$ (% Mo) and the diffusion equations were adjusted accordingly. Orig. art. has: 4 figures, 1 table, 4 formulas.

SUB CODE: 11,20/

SUBM DATE: 28Sep64/

ORIG REF: 015/

OTH REF: 003

Card 2/2 *egk*

HALLIKSOO, Villu; ISOTAMM, A., retsenzent; TISLER, J, retsenzent;
VELMRE, E., retsenzent; ABO, L., red.; VAHTRE, I., tekhn. red.

[Use of transistors in radio receivers] Transistoride kasuta-
mine raadioseadmetes. Tallinn, Eesti riiklik kirjastus,
1962. 140 p. (MIRA 15:5)

(Transistor radios)

L 07383-67 EWT(m)/EWP(t)/ETI IJP(c) JD/WW/JW/JG
 ACC NR: AP6027750 (A) SOURCE CODE: UR/0370/66/000/004/0132/0138

AUTHOR: Lyubimov, V. D. (Sverdlovsk); Gel'd, P. V. (Sverdlovsk); Shveykin, G. P. (Sverdlovsk); Vel'mozhnyy, E. Ya. (Sverdlovsk)

ORG: None

TITLE: Self-diffusion of niobium in alloys with titanium and zirconium

SOURCE: AN SSSR. Izvestiya. Metally, no. 4, 1966, 132-138

TOPIC TAGS: metal diffusion, niobium base alloy, zirconium containing alloy, titanium containing alloy

ABSTRACT: The authors study the parameters of self-diffusion of niobium in various alloys with titanium and zirconium. Unlimited series of solid solutions of niobium with β -Ti and β -Zr are formed in these systems over a wide temperature range (from approximately 1000-1100°C to the melting points). The dimensions of component atoms in alloys of niobium with titanium (as well as their lattice parameters) are extremely close ($r_{Nb}=1.45 \text{ \AA}$, $r_{Ti}=1.46 \text{ \AA}$). The atomic radii of the components in the Nb-Zr system differ considerably ($r_{Zr}=1.6 \text{ \AA}$) so that the periods of the elementary cell are considerably dependent on composition. Thus a comparison of the characteristics of niobium alloys with β -titanium and β -zirconium is of interest from the standpoint of the

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UDC: 669.293.5'295'296

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ACC NR: AP6027750

effect which the size factor has on the diffusion mobility of niobium atoms. Homogeneous β -phase alloys were melted with various concentrations of titanium (5.0, 15.1, 29.8 and 40.9%) and zirconium (5.0, 15.1, 24.2 and 36.1%). The coefficient of self-diffusion of niobium in the solid solutions was studied by using Nb^{95} with the removal of layers and measurement of the integral radioactivity. Self-diffusion was studied as a function of alloy composition and temperature from 1400 to 1950°C. It was found that an increase in the concentration of alloying elements raises diffusion mobility while reducing the activation energy and the preexponential factor. The addition of niobium to titanium reduces the activation energy more rapidly than in the case of Nb-Mo alloys. The activation energy in Nb-Ti alloys changes more rapidly with the preexponential factor than in Nb-Mo alloys. This is probably due to the difference between the atomic ratios of the components and the length of the elementary displacement as well as to the activation spaces produced by the impurity atoms. In spite of the considerable difference between the atomic radii of zirconium and niobium, the effect of zirconium on activation energy and preexponential factor is much weaker than that of titanium. This is apparently due to the fact that the rate of diffusion depends not only on the atomic radii but also on the potential fields and vibration frequencies of the atoms. It is shown that there is a simple linear relationship between activation energy and the logarithm of the preexponential factor. There is a regular increase in the correlation factor with the dimensions of the alloying atoms (Mo, Ti and Zr). Orig. art. has: 4 figures, 2 tables, 5 formulas.

SUB CODE: 1107 SUBM DATE: 12Mar65/ ORIG REF: 010/ OTH REF: 003

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ACC NR: AR6035372

SOURCE CODE: UR/0271/00/000/059/5037/8037

AUTHOR: Vel'mre, E. E.

TITLE: Concerning the choice of optimal parameters of a transistorized or-not logic element

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 93289

REF. SOURCE: Sb. nauchno-tekhn. statey. N.-i elektrotekhn. in-t (Tallin), vyp. 1, 1965, 230-243

TOPIC TAGS: computer design, computer logic, logic circuit, transistorized circuit, circuit design

ABSTRACT: Problems are considered in the design of logical NOT-OR elements with allowance for the most unfavorable variation of the parameters. Nomograms are presented for the calculation of the circuit elements. The exposition is illustrated with a design calculation example. 7 illustrations. 9 titles. G. V.

SUB CODE: 09

Card 1/1

UDC: 681.142.67:621.382

ACC NR: AR6035368

SOURCE CODE: OR/02/1/66/000/009/1006/0006

AUTHOR: Vel'mre, E. E.; Tisler, Yu. A.

TITLE: Concerning the realization of logic-time relations with the aid of single-function or-not logic elements and time elements

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 9B39

REF. SOURCE: Sb. nauchno-tekhn. statey. N.-i. elektrotekhn. in-t (Tallin), vyp. 1, 1965, 244-259

TOPIC TAGS: computer component, computer logic, computer memory, computer theory, logic ~~circuit~~ element, *computer storage device*

ABSTRACT: Using concrete potential elements as an example, the authors show the feasibility of realizing different logic-time relations with the aid of OR-NOT and memory elements. 10 illustrations, 2 tables. Bibliography, 1 title. G. V.

SUB CODE: 09

Card 1/1

UDC: 512.932:681.142.32.001

TEPAKS, L.A., kand.tekhn.nauk; VEL'NER, Kh.A., kand.tekhn.nauk; PAAL', L.L.
[Paal, L.L.], inzh. —————

Shortening the length of the spillway of a water-power installation.
Izv.vys.ucheb.zav.; energ. no.6:122-129 Je '58. (MIRA 11:9)

1.Tallinskiy politekhnicheskiy institut.
(Dams)

VEL'NER, Kh.A., [Velner, H.] kand.tekhn.nauk, dotsent; PAAL', L.L. [Paal, L.],
kand.tekhn.nauk, dotsent

Laboratory studies of the conversion of vertical hydrogenerators to
operation as synchronous compensators. Izv. vys. uncheb. zav.;
energ. 5 no.9:108-115 S '62. (MIRA 15:10)

1. Tallinskiy politekhnicheskii institut. Predstavlena kafedroy
gidravliki.
(Turbogenerators) (Hydraulic turbines) (Hydroelectric power stations)

VELNER, Kh. A.

"Development and Investigation of High Capacity Suction Pipes for
Hydroturbines." Cand Tech Sci, Leningrad Polytechnic Inst, Leningrad,
1954. (RZh Mekh, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical
Dissertation Defended at USSR Higher Educational Institutions
(14)

TEPAKS, L.A., dotsent, kand.tekhn.nauk; VEL'NER, Kh.A. [Velner, H.], dotsent, kand.tekhn.nauk; PAAL', L.L., [Paal, L.], kand.tekhn.nauk; AYTSAM, A.M., [Aitsam, A.], kand.tekhn.nauk; LIYV, U.R., [Liiv, U.], inzh.

Water hammer in a low-pressure hydroelectric power station with a sudden loss of load and methods for studying it on a stand. Izv.vys. ucheb.zav.; energ. 4 no.4:109-117 Ap '61. (MIRA 14:5)

1. Tallinskiy politekhnicheskii institut. Predstavlena kafedroy gidravliki.

(Hydraulic turbines) (Water hammer)

VML'NER, Kh.A., kand.tekhn.nauk

Developing and investigating new draft tubes of increased effective-
ness. Izv.VNIIG 59:120-142 '58. (MIRA 13:7)
(Hydraulic turbines)

VASIL'YEV, Yu.S., dots., kand. tekhn. nauk; VEL'NER, Kh.A., dots.,
kand. tekhn. nauk; GINDUS, D.O., inzh.; GOLOVACHEVSKIY,
N.I., dots., kand. tekhn. nauk; GROMOV, A.I., inzh.;
DOMANSKIY, L.K., inzh.; ISAYEV, Yu.M., inzh.; KULESH, N.P.,
dots., kand. tekhn. nauk; MIKHALEV, B.N., dots., kand.
tekhn. nauk; MOROZOV, A.A., prof., doktor tekhn. nauk
[deceased]; NALIMOV, S.M., st. nauchn. sotr., kand. tekhn.
nauk; REZNIKOVSKIY, A.Sh., kand. tekhn. nauk; SVANIDZE, G.G.,
doktor tekhn. nauk; TANANAYEV, A.V., dots., kand. tekhn. nauk;
KHAZANOVA, A.Z., inzh.; CHERNYATIN, I.A., st. nauchn.
sotr., kand. tekhn. nauk; SHCHAVELEV, D.S., prof., doktor
tekhn. nauk; YAGODIN, N.N., st. nauchn. sotr., kand. tekhn.
nauk; LEONOVA, B.I., red.

[Utilization of water power] Ispol'zovanie vodnoi energii.
Moskva, Energiia, 1965. 563 p. (MIRA 19:1)

VEINER, V., red.

[Collection of materials from the Exhibition of Gardening,
Bee Culture, and Housekeeping; materials of the 1961 fall
exhibition] Aianduse, mesinduse ja kodunduse näitus kogu-
mik; 1961. a. sügishäituse ettekanded. Tartu, 1962. 165 p.
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1. Eesti Aianduse ja Mesinduse Selts. Tartu osakond.

VELNIC, V. (Split)

Elements of sanitary culture on the most characteristic
works of art of the Dalmatian Upper Middle Ages. Bul
sc Youg 8 no. 1/2: 18 F-Ap '63.

TABAKOV, P.K.; CHUBRIKOVA, Ye.V.; SHURKINA, I.I.; VEL'NER, Ye.I.

Rapid method for obtaining labelled fluorescent stained antibodies. Zhur. mikrobiol. epid. i immun. 33 no.10:26-30 0'62

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta "Mikrob",
Saratov.

VELNIO, Vinko
SURNAME (in caps); Given Name

Country: Yugoslavia

Academic Degrees: Magister

Affiliation: not given /

Sources: Zagreb, Farmaceutski glasnik, No 6, June 1961, pp 255-258.

Data: "Picture of the Development of Pharmacy in 'the town of, Split."

VEINICERU, A.

SURNAME, Given Names

Country: Rumania

Academic Degrees: -Engineer.-

Affiliation: -not given-

Sources: Bucharest, Revista de Chimie, Vol 12, No 8, Aug 1961, pp 459-472.

Data: "Outlook on the Development of the Industry of Plant Protection
Chemicals in the Rumanian People's Republic (1)."

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"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859320014-8

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859320014-8"

5TH CODED CC. 00

AMERUS, T.; VELNIGERIU, A.; IONESCU, Elena; CRACIUN, Iuliana

Obtaining sodium trichloroacetate ~~herbicide~~. Rev chimie Min petr
14 no.9:506-508 S '63.

1. Sectia agrochimie, Institutul de cercetari chimice (for
Ionescu, Craciun).

BENARI, S.; VELNICERIU, A.

Fertilizer mixtures and phytopharmaceutical substances. Rev chirilo
Min petr 14 no.5:260-265 My '63.

VELNICERIU, A.; GAVAT, Lucia; TINCU, Lucia

On the stability of some substituted s-triazines, used as herbicides.
Rev. chimie Min petr 13 no.9:513-516 S '62.

KLENITSKAYA, Yelena Moiseyevna; VEL'NIKOVA, L.

[The midwife's work in the village] Rabota akusherki na selo. Izd.
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(OBSTETRICS) (MLRA 9:11)

VELOBORSKY, JAN

"Fysiologicke zaklady dusevniho zivota. (Vyd. 1.) Praha, Statni pedagogicke nakl., 1957 55p. (Ucebni texty vysokych skol) (Physiological foundations of intellextual life; a university textbook. 1st ed. illus.)"

DJLM Not in DLC

P. 55 (Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 7, July 1958

1ST AND 2ND ORDERS

PROCESS AND PROPERTY INDEX

35

B-I-4

Strength and ductility of quenched and tempered steel. J. B. Friedman and T. A. Yondan (*Group. rev. Acad. Sci. U.S.S.R.*, 1945, 68, 589-600). In advantages of torsional methods for the determination of plastic and strength characteristics of both very brittle and very ductile steels, in comparison with tension methods, are discussed. *See also* 35-2444, 35-2445, 35-2446, 35-2447, 35-2448, 35-2449, 35-2450, 35-2451, 35-2452, 35-2453, 35-2454, 35-2455, 35-2456, 35-2457, 35-2458, 35-2459, 35-2460, 35-2461, 35-2462, 35-2463, 35-2464, 35-2465, 35-2466, 35-2467, 35-2468, 35-2469, 35-2470, 35-2471, 35-2472, 35-2473, 35-2474, 35-2475, 35-2476, 35-2477, 35-2478, 35-2479, 35-2480, 35-2481, 35-2482, 35-2483, 35-2484, 35-2485, 35-2486, 35-2487, 35-2488, 35-2489, 35-2490, 35-2491, 35-2492, 35-2493, 35-2494, 35-2495, 35-2496, 35-2497, 35-2498, 35-2499, 35-2500, 35-2501, 35-2502, 35-2503, 35-2504, 35-2505, 35-2506, 35-2507, 35-2508, 35-2509, 35-2510, 35-2511, 35-2512, 35-2513, 35-2514, 35-2515, 35-2516, 35-2517, 35-2518, 35-2519, 35-2520, 35-2521, 35-2522, 35-2523, 35-2524, 35-2525, 35-2526, 35-2527, 35-2528, 35-2529, 35-2530, 35-2531, 35-2532, 35-2533, 35-2534, 35-2535, 35-2536, 35-2537, 35-2538, 35-2539, 35-2540, 35-2541, 35-2542, 35-2543, 35-2544, 35-2545, 35-2546, 35-2547, 35-2548, 35-2549, 35-2550, 35-2551, 35-2552, 35-2553, 35-2554, 35-2555, 35-2556, 35-2557, 35-2558, 35-2559, 35-2560, 35-2561, 35-2562, 35-2563, 35-2564, 35-2565, 35-2566, 35-2567, 35-2568, 35-2569, 35-2570, 35-2571, 35-2572, 35-2573, 35-2574, 35-2575, 35-2576, 35-2577, 35-2578, 35-2579, 35-2580, 35-2581, 35-2582, 35-2583, 35-2584, 35-2585, 35-2586, 35-2587, 35-2588, 35-2589, 35-2590, 35-2591, 35-2592, 35-2593, 35-2594, 35-2595, 35-2596, 35-2597, 35-2598, 35-2599, 35-2600, 35-2601, 35-2602, 35-2603, 35-2604, 35-2605, 35-2606, 35-2607, 35-2608, 35-2609, 35-2610, 35-2611, 35-2612, 35-2613, 35-2614, 35-2615, 35-2616, 35-2617, 35-2618, 35-2619, 35-2620, 35-2621, 35-2622, 35-2623, 35-2624, 35-2625, 35-2626, 35-2627, 35-2628, 35-2629, 35-2630, 35-2631, 35-2632, 35-2633, 35-2634, 35-2635, 35-2636, 35-2637, 35-2638, 35-2639, 35-2640, 35-2641, 35-2642, 35-2643, 35-2644, 35-2645, 35-2646, 35-2647, 35-2648, 35-2649, 35-2650, 35-2651, 35-2652, 35-2653, 35-2654, 35-2655, 35-2656, 35-2657, 35-2658, 35-2659, 35-2660, 35-2661, 35-2662, 35-2663, 35-2664, 35-2665, 35-2666, 35-2667, 35-2668, 35-2669, 35-2670, 35-2671, 35-2672, 35-2673, 35-2674, 35-2675, 35-2676, 35-2677, 35-2678, 35-2679, 35-2680, 35-2681, 35-2682, 35-2683, 35-2684, 35-2685, 35-2686, 35-2687, 35-2688, 35-2689, 35-2690, 35-2691, 35-2692, 35-2693, 35-2694, 35-2695, 35-2696, 35-2697, 35-2698, 35-2699, 35-2700, 35-2701, 35-2702, 35-2703, 35-2704, 35-2705, 35-2706, 35-2707, 35-2708, 35-2709, 35-2710, 35-2711, 35-2712, 35-2713, 35-2714, 35-2715, 35-2716, 35-2717, 35-2718, 35-2719, 35-2720, 35-2721, 35-2722, 35-2723, 35-2724, 35-2725, 35-2726, 35-2727, 35-2728, 35-2729, 35-2730, 35-2731, 35-2732, 35-2733, 35-2734, 35-2735, 35-2736, 35-2737, 35-2738, 35-2739, 35-2740, 35-2741, 35-2742, 35-2743, 35-2744, 35-2745, 35-2746, 35-2747, 35-2748, 35-2749, 35-2750, 35-2751, 35-2752, 35-2753, 35-2754, 35-2755, 35-2756, 35-2757, 35-2758, 35-2759, 35-2760, 35-2761, 35-2762, 35-2763, 35-2764, 35-2765, 35-2766, 35-2767, 35-2768, 35-2769, 35-2770, 35-2771, 35-2772, 35-2773, 35-2774, 35-2775, 35-2776, 35-2777, 35-2778, 35-2779, 35-2780, 35-2781, 35-2782, 35-2783, 35-2784, 35-2785, 35-2786, 35-2787, 35-2788, 35-2789, 35-2790, 35-2791, 35-2792, 35-2793, 35-2794, 35-2795, 35-2796, 35-2797, 35-2798, 35-2799, 35-2800, 35-2801, 35-2802, 35-2803, 35-2804, 35-2805, 35-2806, 35-2807, 35-2808, 35-2809, 35-2810, 35-2811, 35-2812, 35-2813, 35-2814, 35-2815, 35-2816, 35-2817, 35-2818, 35-2819, 35-2820, 35-2821, 35-2822, 35-2823, 35-2824, 35-2825, 35-2826, 35-2827, 35-2828, 35-2829, 35-2830, 35-2831, 35-2832, 35-2833, 35-2834, 35-2835, 35-2836, 35-2837, 35-2838, 35-2839, 35-2840, 35-2841, 35-2842, 35-2843, 35-2844, 35-2845, 35-2846, 35-2847, 35-2848, 35-2849, 35-2850, 35-2851, 35-2852, 35-2853, 35-2854, 35-2855, 35-2856, 35-2857, 35-2858, 35-2859, 35-2860, 35-2861, 35-2862, 35-2863, 35-2864, 35-2865, 35-2866, 35-2867, 35-2868, 35-2869, 35-2870, 35-2871, 35-2872, 35-2873, 35-2874, 35-2875, 35-2876, 35-2877, 35-2878, 35-2879, 35-2880, 35-2881, 35-2882, 35

VELNICERIU, A.

The Dibutox Insecticide Factory. Rev chimie Min petr 15 no.8:
475-477 Ag'64

VELNICERIU, A.

Physical and chemical properties of pesticides. Pt. 2.
Rev chimie Min petr 14 no.8:444-446 Ag '63.

1. Institutul de cercetari chimice, Sectia agrochimie.

VELNICERU, A., ing.

Outlook on the development of the industry of plant protection
chemicals in Rumania. Pt.1. Rev. chim'ie Min. petr. 12 no.8:
459-472 Ag'61.

VELNICERIU, A.; SIMULESCU, Ileana; CIOCAN, C.

Physical and chemical properties of chemical means for
plant protection. Pt. 3. Rev chimie Min petr 15 no. 5:
257-260 My '64.

1. Institute of Chemical Research, Bucharest, Section
of Phytopharmaceutical Products.

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Contributions to the synthesis of the captan fungicide. Note I.
Rev chimie Min petr 13 no.4:193-187 Ap '62.

AMBRUS, T.; TINCU, L.; VELNIGERIU, A.; GAVAT, Lucia

Contributions to the synthesis of the Captan fungicide. Note II.
Rev chimie Min petr 13 no.5:275-278 My '62.

VELNICERIU, A.

Trends in the development of pesticides for the plant protection
in Rumania. Rev chimie Min petr 13 no.1:23-33 Ja '62.

VELNICERTU, A; GAVAT, I.;

Determining the total organic chlorine in agricultural pesticides with
the aid of sodium amide. p. 582

REVISTA DE CHIMIE. (Ministerul Industrii Petrolului si Chimiei si
Asociatia Stiintifica A Inginerilor si Tehnicienilor din Romania)
Bucuresti, Rumania, Vol. 10, no. 10, Oct. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, August 1959
UNCL

MARSENIC, B., PETKOVIC, M., KOCIC, D., VELOJIC, .D.

Pulmonary tuberculosis and peptic ulcer of the stomach and
duodenum. Tuberkuloza 15 no.3:370-375 JI-D'63

1. Opsta bolnica, Nis; Grudno od. (sef: prim.dr.B.Marsenic) 1
Interno od. (sef: prim. dr. M.Petkovic).

S

KAJTOR, F.; HAGY, T.; VÉBOK, Gy.

Relation of attacks during sleep and waking condition to anatomic-functional organization of epileptogenic foci. Acta med. hung. 12 no.3-4:239-254 1958.

1. Klinik für Neurologie und Psychiatrie der Medizinischen Universität, Debrecen.

(EPILEPSY, physiol.

relation of attacks during sleep to organiz. of epileptogenic foci (Ger))

VNLOK, Gyula, Dr.

Report on the experiences of the two months spent in the Rumanian
People's Republic. Ideg. szemle 12 no.3:92-94 Mar 59.

1. Debrecen, Idegklinika.
(NEUROLOGY
in Rumania (Hun))

PIRTORINI, Rezzo, dr.; VELOK, Gyula, dr.

Electroencephalographic studies in psychoses treated with
antaethyl. Ideg.szemle 13 no.1:15-21 Ja '60.

1. A Debreceni Orvostudományi Egyetem Ideg- és Elmegyógyászati
Klinikájának (Igazgató: Dr. Juhász Pál egy. tanár) közleménye.
(DISULFIRAM ther)
(PSYCHOSES ALCOHOLIC ther.)
(ELECTROENCEPHALOGRAPHY)

VELOKHROVA, N. I. & D. K. STAFOV

RT-1474 (Hydrometeorological characteristics of the Black Sea: transparency and water color) Pages 30-33 from:

SO: Gidrometeorologicheskaya Kharakteristika Chernogo Moria. Moscow-Leningrad, 1946. (Original Russian source unavailable for review)

VELOLUTSKI, Fedor Ivanovich

New Laws and enactments on Kolkhoz organization, beginning 1 Jan. 1930, Moskva, Gos.
sel'khoz. izd-vo, 1931. 352 p. (37-35984)

Law

VELOSHIN, A.

Navigation along the arc of the great-circle. Mor.flot 15 no.8:14
Ag'55. (MIRA 8:10)

1. Shturman parakhoda "Voroshilovgrad"
(Great-circle sailing)

VELOSY, G.
HUNGARY/Pharmacology and Toxicology - Miscellaneous
Preparations.

V

Abs Jour : Ref Zhur - Biol., No 2, 1959, 9269

Author : Sugar, J., Velosy, G.

Inst : Hungarian AS

Title : Effect of Colchicine Upon the Reticuloendothelial
System of the Liver

Orig Pub : Acta morphol. Acad. sci. hung., 1957, 7, No 3, 307-317

Abstract : The activity of the RES of the liver was evaluated according to the accumulation of the injected collargol in Kupffer's cells. After a prolonged course of administration of colchicine to 21 rats (100-150 μ once in three days during 26-76 days, total 840-1,620 μ of colchicine), the accumulation of silver in the cells decreased by 17-40%. However, if between the cessation of the

Card 1/2

- 16 -

HUNGARY/Pharmacology and Toxicology - Miscellaneous
Preparations.

V

Abs Jour : Ref Zhur - Biol., No 2, 1959, 9269

administration of colchicine and injection of collargol
there was a 5-20 day interval, then the deposition of
silver in the liver did not differ from normal. With
simultaneous introduction of colchicine and collargol,
the accumulation of silver in the RES of the liver de-
creases. -- M.Ya. Khodas

Card 2/2

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859320014-8

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859320014-8"

CA

The determination of the storing capacity of the reticulo-endothelial cells of the liver. Imre Toro and György Velosy. (July., Debrecen, Hung.). *Kisérleti Orvostudomány* 2, 103-14 (1960).—Albino rats were fasted 24 hrs., then 1 mg. Ag in the form of a 1% aq. colloidal soln. was injected intravenously in urethane narcosis and Ag content of liver detd. after 1 hr. by the dithionite titration method. The liver of rats weighing 180-172 g. weighed 4.4-7.0 g.; contained 314-712 γ Ag, and the Ag contents increased parallel to wt. of liver. The storing capacity of liver was increased by administering a liver ext. called resactor. When 0.1-6 ml. colloidal Cu was injected previous to the Ag soln., the Ag content of liver diminished. The storing capacity can be detd. equally well by injecting Ag or Cu, the results can serve as a base for evaluating the function of the reticulo-endothelial system. The natural Cu content was 8.70-8.06 γ in the livers weighing 0.947-1.075 g. in mice weighing 19-22 g. With intravenous injections of 0.1 ml. electrocolloidal Cu their livers contained 19.0-27.5 γ Cu. When 0.1 ml. colloidal Fe(OH)₃ was injected 15 min. before injecting the Cu, the livers contained 10.0-23.8 γ Cu. István Farkas

Velosy, Gy.
EXCERPTA MEDICA, Sec.2 Vol.11/4 Physio-biochem-pharm Apr58
1784. THE EFFECT OF COLCHICINE ON THE HEPATIC RETICULOENDOTHEL-
IAL APPARATUS - Wirkung von Colchicin auf das Retikuloendothel der Leber -
Sugár J. and Velosy Gy. Onkopathol. Forschungsinst., Budapest;

1784

Inst. for Histol. und Embryol., Med. Univ., Budapest - ACTA MORPH.
ACAD. SCIENT. HUNG. (Budapest) 1957, 7/3 (307-316) Tables 3 illus. 4
After single doses the silver-storing capacity of the liver was reduced in direct proportion to the dose. Repeated colchicine administration caused a marked diminution of storage. The changes in function were accompanied by the characteristic morphological changes induced by colchicine. Five days after the administration of colchicine had been discontinued there was no more change in hepatic storage. Like the effect on the whole organism, the effect of colchicine on the reticulo-endothelial apparatus is highly reversible.

VELCSY, Gy, 1951

(Anat. Biol. Inst., Univ. of Debrecen)

"Physiology and Measurement of Activity of the RBS in the Liver."

Acta Physiol. Hung 1951, 2/2 (121-162)
Abst: Exc. Med. 11, Vol. 5, No. 6, p. 723

VELOSY, Klara

The Antwerp harbor congress in retrospect, Kozleked kc2.
20 no.42:689-690 18 0 '64.

VELOSY, Klara

Operational role of harbor directorates. Kozleked kozl 21
no.9:146-150 28 F '65.

1. Group Head, International Division of the Department of
Navigation of the Ministry of Transportation and Postal Affairs,
Budapest.

VELOSY, Klara

Questions of handling and storing goods discussed at the Antwerpen harbor congress. Kozleked kozl 20 no.50:829-833 13 D '64.

1. Group Head, International Division of the Department of Navigation in the Ministry of Transportation and Postal Affairs, Budapest.

VELOSY, Klara

Development of the merchant high-sea navigation of the
German Democratic Republic during the past ten years.
Kozl tud ~~sz~~ 13 no.2:93-96 F '63.

1. MAHART ~~g~~loadoja.

~~V. LESHI D'yard~~ [Velosy, Gyorgy]

Dumping syndrome or the autonomic disease. Klin. med. 41 no.7:
76-80 J1'63 (MIRA 16:12)

1. Glavnyy vrach polikliniki g. Sol'nok, Vengriya.

SOV/136-58-9-18/21
AUTHOR: Volkogon, G.M., Velov, A.V., Deliparskaya, Yu. K., Reviewers
TITLE: Reviews and Bibliography (Retsenzii i bibliografiya)
PERIODICAL: Tsvetnyye Metally, 1958, nr 9, pp 78 - 80 (USSR)
ABSTRACT: Two new books are listed with short descriptions of each.

1. Literature--USSR 2. Metallurgy

Card 1/1

VEL'OV, M.

The regulation of currency circulation is a most important task of the Bulgarian National Bank. Den. i kred. 16 no.8:40-51
Ag '58. (MIRA 11:9)

1. Zamestitel' predsedatelya Bolgarskogo narodnogo banka.
(Bulgaria--Money)

USCIB 1014 5 Y2

USCIB 1014 5 Y2

Card 1014 5 Y2

Authors 1

Title 1

Periodical 1

Abstract 1 The compound is a mixture of elements of various valences

Institution 1

1014 5 Y2

VEL'PIAN, V. G.

Interference in air plane radio sets and means of controlling it Moskva, Redaktsionno-izdatel'skii otдел Aeroflota, 1943. 23 p. Trudy Nauchno-issledovatel'skogo instituta samoletnogo oborudovaniia

Cyr.4 TK24

VOLENIK, K.; VLASAKOVA, L.; VELRABOVA, Ye.; LASHTOVKOVA, O.

Using krypton adsorption to measure surface dimensions of commercial
grade metals. Zashch. met. 1 no.5:565-573 S-O '65. (MIRA 18:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut zashchity
materialov imeni G.V.Akimova, Chekhoslovatskaya Sotsialisticheskaya
Respublika, Praga.

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Ca

Increasing the capacity of a diffusion battery. F. R. Tkachenko, A. A. Cel's and A. P. Nitchenko. *Nauch. Zapiski Sibirskoi Prom. 14, Tech. Ser., No. 3, 229 (1971).*—The capacity of a diffusion battery can be increased by installation in each cell of chains and vertical screened tubes. This decreases hydraulic resistance by 25 % and increases the velocity of circulation.

V. F. Baikov

YEREMENKO, A.S., kandidat tekhnicheskikh nauk; SAYKOVSKIY, M.I., kandidat
tekhnicheskikh nauk; VEL'S, S.V., inzhener

Aerodynamic study of the exhaust pipe of a steam turbine. Trudy Inst.
tepl. AN URSR no.8:78-100 '52. (MIRA 8:7)
(Steam turbines)

S/194/62/000/006/023/232
D413/D308

AUTHORS: Berlin, K., and Vels, Zh.

TITLE: The application of modern electronic computers, with programming theory, in analyzing the economics of petroleum processing (Summary)

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-1-134 m (V sb. 5-y Mezhdunar. neft. kongress, 1959, T.Z., K., Gostoptekh-izdat, 1961, 212-213)

TEXT: An analog computer is used to determine optimum conditions for the processing of petroleum. Programs have been worked out that are capable of allowing for all possible compositions of the raw material and finished products and for the technical equipment of the plant. The paper gives details of the program, the forms of working tables, and practical problems in the simulation of individual installations and of the plant as a whole. [Abstracter's note: Complete translation.] ✓

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VELSER, Iosif, ing.

Improved refractory products for foundry platforms of steel.
Metalurgia constr mas 14 no.5:385-389 My '62.

1. Institutul de cercetari metalurgice.

42750

S/854/61/000/102/004/004
B187/B104

10.7000

AUTHOR: Velsker, K.
TITLE: Bending of a previously compressed elastoplastic beam
SOURCE: Tartu. Universitet. Uchenyye zapiski. no. 102. 1961.
Trudy po matematike i mekhanike. no. 2. 385-394

TEXT: A study is made of the bending by a transverse load q of an elastoplastic beam previously compressed by the axial force T . The beam (length l) is rigidly supported at one end only, and has a two-fold symmetrical cross section F . The following assumptions are made: incompressibility, linear strengthening, equal compression and elongation yield points, elastic relaxation, small deflection: $(du/dx)^2 \ll 1$; buckling strength depending on the dimensions of the beam; the axial force T is so strong and the transverse load q is so small that the effect of tangential stress parallel to the z -axis can be neglected; no regions of secondary plastic deformation. On these assumptions the differential equation for the equilibrium of the beam is set up and solved for three cases: (1) bending sets in with elastic deformations only:

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